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-	10	((("5204960") or ("5375242") or ("5655122") or ("5815720") or ("5850554") or ("5230050") or ("5301327") or ("5313387") or ("5325531") or ("5586328"))).PN.	USPAT; US-PGPUB; EPO; JPO; IBM_TDB	2004/08/30 14:51
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ElfHash c translation - PowerBASIC Forums

... unsigned long **ElfHash**(const unsigned char *key) { unsigned long h = 0; while (*key) {
 h = (h << 4) + *key++; unsigned long g = h & 0xF0000000L; if (g) h ^= g ...
www.powerbasic.com/support/forums/Forum6/HTML/001338.html - 18k - [Cached](#) - [Similar pages](#)

Anyone familiar with ELFHash algorithm?

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search.cpan.org: Digest::Elf - Perl extension for generating ...

... NAME ^: Digest::Elf - Perl extension for generating **ElfHash** values. SYNOPSIS ^: ...
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usr/local/bin/perl use ExtUtils::testlib; use Digest::Elf; for ...

```
#!/usr/local/bin/perl use ExtUtils::testlib; use Digest::Elf; for(
@ARGV ) { print Digest::Elf::hash( $_ ), "\n"; } exit(0);
```

search.cpan.org/src/MCKAY/Digest-Elf-1.4/bin/elfhash - 1k - [Cached](#) - [Similar pages](#)
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"Practical Algoritms for Programming", Binstock, A.; Rex, J. ...

```
71 */ #include <stdio.h> unsigned int ElfHash ( const unsigned char *name ) { unsigned
long h = 0, g; char str[32]; while ( *name ) { h = ( h << 4 ) + *name++ ...
```

www.daylight.com/meetings/mug2000/Kappler/ElfHash.c - 1k - [Cached](#) - [Similar pages](#)

ELFHash.java -- Hashing function used in ELF-format object files ...

```
// === ELFHash.java -- Hashing function used in
ELF-format object files // Author : John ...
```

<http://www.se.auckland.ac.nz/courses/SOFTENG250/laboratories/Ensor/ELFHash.java> - 2k - [Cached](#) - [Similar pages](#)

courses.cs.vt.edu/~cs2604/spring02/Projects/4/elfhash.cpp[Similar pages](#)**Elf Hash - FoxPro Wiki**

... **ElfHash** is a general purpose hash algorithm. A good article on hash algorithms
 that covers **ElfHash** can be found at <http://www.ddj.com> ...
fox.wikis.com/wc.dll?Wiki~ElfHash~VFP - 7k - [Cached](#) - [Similar pages](#)

#include "prolog.h" #include <stdlib.h> #include <math.h> #include ...

```
... errors.h" #include "rptypes.h" #include "brdcast.h" #include "servdef.h" #include
"toolkit.h" #include "netmex.h" unsigned long ElfHash(const unsigned char ...
```

www-mpy.desy.de/netmex/duvalkern/source.330/keyeqm.c - 7k - [Cached](#) - [Similar pages](#)

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... ARM **ELF** SWS ESPC 0003 B-02 Page 11 of 42 EI_MAG0 to to to EI_MAG3—A file's first 4 bytes hold a magic number, identifying the file as an **ELF object** file ...www.arm.com/pdfs/ARM%20ELF%20Specification.pdf - [Similar pages](#)FreeLists / muscle / [muscle] Re: RFC: String class... num, prec); +} + **ElfHash** ----- The published hash algorithm used in the UNIX **ELF** format * for **object** files ...www.freelists.org/archives/muscle/10-2003/msg00022.html - 11k - [Cached](#) - [Similar pages](#)Nattyware / Papers / XUM32 and its implementation.... hash function used in the UNIX **ELF** format for **object** files. Its ANSI C implementation is here as it were defined in [3]: unsigned long **ElfHash** (const unsigned ...www.nattyware.com/xum32txt.html - 8k - Aug 29, 2004 - [Cached](#) - [Similar pages](#)Hash function in C... used in the UNIX **ELF** format for **object** files. The input is a pointer to a string to be hashed */ #define HASHSIZE 997 unsigned long **ElfHash**(const unsigned ...forums.devshed.com/t54284/ s.html?highlight=Modulus+problem - 89k - Supplemental Result - [Cached](#) - [Similar pages](#)



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1 Data size optimizations for java programs

C. Scott Ananian, Martin Rinard

June 2003 **ACM SIGPLAN Notices**, Proceedings of the 2003 ACM SIGPLAN conference
on Language, compiler, and tool for embedded systems, Volume 38 Issue 7

Full text available:  pdf(349.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present a set of techniques for reducing the memory consumption of object-oriented programs. These techniques include analysis algorithms and optimizations that use the results of these analyses to eliminate fields with constant values, reduce the sizes of fields based on the range of values that can appear in each field, and eliminate fields with common default values or usage patterns. We apply these optimizations both to fields declared by the programmer and to implicit fields in the runti ...

Keywords: bitwidth analysis, embedded systems, field externalization, field packing, size optimizations, static specialization

2 Optimizing object queries using an effective calculus

Leonidas Fegaras, David Maier

December 2000 **ACM Transactions on Database Systems (TODS)**, Volume 25 Issue 4

Full text available: pdf(641.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Object-oriented databases (OODBs) provide powerful data abstractions and modeling facilities, but they generally lack a suitable framework for query processing and optimization. The development of an effective query optimizer is one of the key factors for OODB systems to successfully compete with relational systems, as well as to meet the performance requirements of many nontraditional applications. We propose an effective framework with a solid theoretical basis for optimizing OODB query I ...

Keywords: nested relations, object-oriented databases, query decorrelation, query optimization

3 TID hash joins

Robert Marek, Erhard Rahm

ROBERT MAREK, Edward Ramm
November 1994 **Proceedings of the third international conference on Information and knowledge management**

Full text available: pdf(1.13 MB) Additional Information: [full citation](#), [references](#), [index terms](#)



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1 Data size optimizations for java programs

C. Scott Ananian, Martin Rinard

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We present a set of techniques for reducing the memory consumption of object-oriented programs. These techniques include analysis algorithms and optimizations that use the results of these analyses to eliminate fields with constant values, reduce the sizes of fields based on the range of values that can appear in each field, and eliminate fields with common default values or usage patterns. We apply these optimizations both to fields declared by the programmer and to implicit fields in the runti ...

Keywords: bitwidth analysis, embedded systems, field externalization, field packing, size optimizations, static specialization

² First International Workshop on Persistence and Java

Malcolm Atkinson, Mick Jordan

November 1996 Technical Report, Sun Microsystems, Inc.

Full text available:  pdf(1.54 MB) Additional Information: [full citation](#), [abstract](#)

These proceedings record the First International Workshop on Persistence and Java, which was held in Drymen, Scotland in September 1996. The focus of this workshop was the relationship between the Java languages and long-term data storage, such as databases and orthogonal persistence. There are many approaches being taken, some pragmatic and some guided by design principles. If future application programmers building large and long-lived systems are to be well-supported, it is essential that the ...

3 An efficient implementation of SELF a dynamically-typed object-oriented language based on prototypes

C. Chambers, D. Ungar, E. Lee

ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications, Volume 24 Issue 10

Full text available: pdf(2.41 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We have developed and implemented techniques that double the performance of dynamically-typed object-oriented languages. Our SELF implementation runs twice as fast as the fastest Smalltalk implementation, despite SELF's lack of classes and explicit variables.



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Relevance scale ☐ ☐ ☐ ☐ ☐**1 [Compiler-directed run-time monitoring of program data access](#)**

Chen Ding, Yutao Zhong

 June 2002 **ACM SIGPLAN Notices , Proceedings of the workshop on Memory system performance**, Volume 38 Issue 2 supplement

Full text available: pdf(1.40 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Accurate run-time analysis has been expensive for complex programs, in part because most methods perform on all a data. Some applications require only partial reorganization. An example of this is off-loading infrequently used data from a mobile device. Complete monitoring is not necessary because not all accesses can reach the displaced data. To support partial monitoring, this paper presents a framework that includes a source-to-source C compiler and a run-time monitor. The compiler inserts ru ...

2 [Control flow optimization for supercomputer scalar processing](#)

Pohua P. Chang, Wen-mei W. Hwu

 June 1986 **Proceedings of the 3rd international conference on Supercomputing**

Full text available: pdf(1.04 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Control intensive scalar programs pose a very different challenge to highly pipelined supercomputers than vectorizable numeric applications. Function call/return and branch instructions disrupt the flow of instructions through the pipeline, degrading the utilization of the pipelined datapaths. This paper describes control flow optimization for scalar processing using an optimizing compiler. To obtain program control flow information, a system independent profiler has been integrated into th ...

3 [Flick: a flexible, optimizing IDL compiler](#)

Eric Eide, Kevin Frei, Bryan Ford, Jay Lepreau, Gary Lindstrom

 May 1997 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 1997 conference on Programming language design and implementation**, Volume 32 Issue 5

Full text available: pdf(1.75 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

An interface definition language (IDL) is a nontraditional language for describing interfaces between software components. IDL compilers generate "stubs" that provide separate communicating processes with the abstraction of local object invocation or procedure call. High-quality stub generation is essential for applications to benefit from component-based designs, whether the components reside on a single computer or on multiple networked hosts. Typical IDL compilers, ...

4 [Look ma, no hashing, and no arrays neither](#)

Jiazhen Cai, Robert A. Paige